



State of Texas Assessments of Academic Readiness (STAAR®)
Performance Level Descriptors
Grade 3 Mathematics

Performance Level Descriptors

The mathematical process skills describe ways in which students are expected to engage in the content. They are not assessed in isolation but are incorporated into questions that assess grade 3 content. The process skills focus on applying mathematics to solve problems, analyze mathematical relationships, and communicate mathematical ideas.

Students achieving Level III: Advanced Academic Performance can

- Evaluate the reasonableness of solutions of two-step application problems involving addition and subtraction of whole numbers
- Represent addition, subtraction, multiplication, and division problems with equations
- Apply an understanding of fractions to reason about their size
- Apply fractional understanding to measurement concepts
- Solve problems involving elapsed time beyond one hour

Students achieving Level II: Satisfactory Academic Performance can

- Understand place value and represent numbers with expanded notation
- Represent equivalent fractions
- Compare fractions with the same numerators or the same denominators
- Represent numbers and operations with models
- Represent and solve one- and two-step application problems involving addition and subtraction of whole numbers
- Represent and solve one- and two-step application problems involving multiplication and division of whole numbers
- Use number pairs in a table to represent real-world relationships
- Classify two- and three-dimensional figures
- Solve problems involving perimeter and area
- Represent and solve problems related to data

Students achieving Level I: Unsatisfactory Academic Performance can

- Compare two whole numbers
- Represent fractions with models
- Use models to solve multiplication with whole numbers
- Determine the value of a collection of coins and bills